color, forming columns in the solid state imaging device so that individual pixels of the plurality of adjacent horizontal scanning lines within a particular color filter detect a same color, an electronic view finder for displaying a moving picture of a photographic subject by interlace-scanning, and a recording device for recording a still picture of the photographic subject as digital data on a recording medium in response to a shutter release operation, [the method] comprising [the steps of]:

obtaining field image signals of an odd field by adding a signal charge stored in each of those pixels aligned in even horizontal scanning lines [of the solid state imaging device] to a signal charge stored in one of those pixels detecting the same color in one of two adjacent odd horizontal scanning lines, each of those pixels in the even and adjacent odd scanning lines vertically aligned within the same color filter;

B1 Cont.

obtaining field image signals of an even field by adding the signal charge of each pixel of the even horizontal scanning lines to a signal charge stored in one of those pixels detecting the same color in the other of two adjacent odd horizontal scanning lines;

displaying a frame of the moving picture based on the field image signals for the odd and even fields;

detecting signal levels of the field image signals;

starting, in response to the shutter release operation, to read signal charges stored in the individual pixels [of the solid state imaging device] by sequential scanning each horizontal scanning line, to provide image signals of one frame to record; and

B1 Cancel.

determining [depending upon the signal levels of the field image signals,] signal levels of the image signals to record based on the signal levels of the field image signals.

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5. (Twice Amended) A method of controlling an electronic still camera having a solid state imaging device [with a matrix of pixels] including a plurality of adjacent horizontal scanning lines of individual pixels intersected by three vertically-adjacent color separation filters forming columns in the solid state imaging device so that individual pixels of the plurality of adjacent horizontal scanning lines within a particular color filter detect a same color, an electronic view finder for displaying a moving picture of a photographic subject, and a recording device for recording a still picture of the photographic subject as digital data on a recording medium in response to a shutter release operation, [the method] comprising [the steps of]:

B2

driving the solid state imaging device at a first interval

corresponding to a predetermined field frequency of [an] interlace-scanning used for displaying the moving picture;

determining a first charge storage time of the solid state imaging device in a range not more than the first interval;

obtaining field image signals of an odd field by adding a signal charge stored during the first charge storage time in each of those pixels aligned in even horizontal scanning lines [of the solid state imaging device] to a signal charge stored in one of those pixels detecting the same color in one of two adjacent odd horizontal scanning lines, each of those pixels in the even and adjacent odd scanning lines vertically aligned within the same color separation filter;

B2 Cont.

obtaining field image signals of an even field by adding the signal charge of each pixel of the even horizontal scanning lines to a signal charge stored in one of those pixels detecting the same color in the other of two adjacent odd horizontal scanning lines;

displaying a frame of the moving picture based on the field image signals for the odd and even fields by [the] interlace-scanning;

detecting signal levels of the field image signals;

revising the first charge storage time in accordance with the detected signal levels;

determining, in response to the shutter release operation, a second charge storage time based on the first charge storage time;

obtaining image signals for one frame from signal charges stored during the second charge storage time in the individual pixels of the solid state imaging device by sequential scanning of each horizontal scanning line; and

recording the image signals of one frame as a still picture in the recording medium.

B2 Cont'd.

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7. (Amended) A method of controlling an electronic still camera, comprising:

determining a first charge storage time for a movie mode, said first charge storage time stored in memory;

sending the first charge storage time to a solid state imaging device in the movie mode;

B3

shifting the camera from the movie mode to a recording mode;

[increasing the first charge storage time to] determining a second charge storage time[, which is greater then the first charge storage time] by applying a doubling factor to said stored first charge storage time; and

sending the second charge storage time to the solid state imaging

B3 Cont'd.

device in the recording mode, [wherein the second charge storage time is a function of the first charge storage time] thereby allowing for luminance and balance of a recorded still picture to be set in the same range as a moving picture displayed on an electronic view finder of the still camera.

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9. A method of controlling an electronic still camera, comprising:

sending field image signals having signal levels from an output of a solid state imaging device to an amplifier set at a first gain in an initial movie mode;

B4

shifting the camera from the movie mode to a recording mode; and

[increasing a] setting a second gain of the amplifier in the recording mode by applying a doubling factor to said first set gain, [where] the increase in gain [is a function of the signal levels of the field image signals] allowing for luminance and balance of a recorded still picture to be set in the same range as a moving picture displayed on an electronic view finder of the still camera.

REMARKS

Claims 1-7 and 9 are in the present applications, claims 8 and 10 having been canceled without prejudice or disclaimer of the subject matter contained therein.